

**Results for the 8'x120' circular tank with ramp:**

**Circular tank:**

Tank Diameter = 120 ft  
 Tank Wall thickness = 8 in (actual)  
 Tank Height = 8 ft  
 $f_y = 60,000$  psi  
 $f'_c = 4,000$  psi

Horizontal Steel = #4 rebar		
Bar #	Spacing (in)	Distance from finished floor (ft - in)
1	3	0' 3"
2	12	1' 3"
3	12	2' 3"
4	10	3' 1"
5	10	3' 11"
6	10	4' 9"
7	9	5' 6"
8	9	6' 3"
9	9	7' 0"
10	9	7' 9"

Vertical Steel = #4 @ 12" O.C.

Dowels "L" bars from tank to footing shall be #4 @ 12" O.C. 26" vertical leg, 6" horizontal leg

In the tank wall, at the corner of the notch for the ramp add:

- 3-#6 bars x 7'-10" long @ 6" O.C. vertically
- 3-#6 bars x 20' long @ 6" O.C. horizontally
- 4-#6 bars x 6' long @ 6" O.C. at a 45 degree angle.

 Natural Resources Conservation Services United States Department of Agriculture	_____ County, PA <b>ROUND TANK W/RAMP</b> <b>DETAIL Page 6.05</b>	Designed <u>PA NRCS</u> <u>12/01</u>
		Drawn <u>Hartz</u> <u>2/1/08</u>
		Revisions <u>Pereverzoff</u> <u>1/9/08</u>
		Checked _____
		Approved _____